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10/645,834	08/20/2003	Mattias Karlsson	58072 (447137)	7644

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EXAMINER

BEISNER, WILLIAM H

ART UNIT	PAPER NUMBER
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1744

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/23/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/645,834	Applicant(s) KARLSSON ET AL.	
	Examiner William H. Beisner	Art Unit 1744	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 October 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-108 is/are pending in the application.
- 4a) Of the above claim(s) 31-86,90-92,96 and 102-108 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30,87-89,93-95 and 97-101 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>8/03;3/04; 11/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of Group I, Claims 1-30, 87-89, 93-95 and 97-101, in the reply filed on Oct. 23, 2006 is acknowledged. The traversal is on the ground(s) that the instant application is drawn to a single inventive concept for which a single patent should issue and a search of all of the claims can be made without a serious burden to the Examiner.

Applicants are of the position that since the Examiner has robust and extensive computerized search engines and databases at his disposal, examination of 108 claims would not be serious burden to the Examiner. This is not found persuasive because, as required under 35 USC 121, the Examiner has established that the groups of claims are independent and/or distinct which has not been contested by Applicants. As for being a burden to the Examiner, each of the groups of claims includes a different classification and a search for one group of claims would not necessarily be required of the other groups of claims. Additionally, the Examiner considers 108 claims as an additional burden. It is not clear how Applicants can consider 108 claims as encompassing a single inventive concept.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 31-86, 90-92, 96 and 102-108 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on Oct. 23, 2006.

Information Disclosure Statement

3. The information disclosure statements filed Aug. 20, 2003; March 12, 2004; and Nov. 15, 2005 have been considered and made of record.

Drawings

4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, all of the claimed structures encompassed by claims 1-30, 78-89, 93-95 and 97-101 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered. Note only Figure 6 of the instant drawings appears to be related to the instant claims being examined. This figure merely depicts a substantially planar substrate with a nonplanar element. The figures are completely devoid of any showing of a conducting element (fixed or movable), fluid source or mechanism, a cell chamber, and/or microchannels in combination with the structure shown in Figure 6.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an

Art Unit: 1744

application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

5. Claims 5 and 93 are objected to because of the following informalities:

Claim 5 fails to identify the claim from which it depends. Note claim 5 will be examined on its merits as though it depends from claim 1.

In claim 93, "camber" should be --chamber--.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-30, 87-89 and 97 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 2, "the substantially planar structure" lacks antecedent basis. It appears that the claim should recite --the substantially planar substrate-- to provide proper antecedent basis. Claims 2-30, 87-89 and 97 are indefinite since they depend from indefinite claim 1.

In claim 25, "the cell chamber" lacks antecedent basis. Note claim 25 depends from claim 9 rather than claim 24.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1-6, 9-18, 20-30, 87-89, 93-95 and 97-101 are rejected under 35 U.S.C. 102(a) or (e) as being anticipated by Baumann et al.(US 6,368,851).

With respect to claim 1, the reference of Baumann et al. discloses a substantially planar substrate (4) (See Figure 22) in communication with at least one conducting element (18), wherein the substantially planar substrate (4) comprises at least one nonplanar element (20) for establishing and/or maintaining electrical communication with a cell.

With respect to claim 2, the nonplanar element (20) includes a raised portion (See Figure 22) having an opening (16) in which a conducting fluid (nutrient medium) is disposed.

With respect to claim 3, the conducting fluid is in electrical communication with a conducting element (6).

Art Unit: 1744

With respect to claim 4, at least a portion of the nonplanar element (20) comprises a conducting surface (6).

With respect to claim 5, the nonplanar element (20) comprises a nonconducting surface (9).

With respect to claim 6, at least a portion of the substrate comprises a polymer (See column 13, lines 1-2).

With respect to claims 9-12, the nonplanar element (20) can be exposed to a fluid flow from a fluid source (See Figure 22 and column 16, lines 27-39).

With respect to claims 13 and 14, the surface of the nonplanar element is “nonplanar”, “protruding” and/or “rounded” (See Figure 22).

With respect to claims 15 and 16, the structure defining channel (38) is considered to meet the claim language of a capillary or micropipette.

With respect to claim 17, the nonplanar element (20) is considered to have a nonplanar surface (32) (See Figure 22).

With respect to claim 18, the surface (32) is protruding.

With respect to claim 20, the nonplanar element (20) is an integral part of the planar substrate.

With respect to claim 21, the device includes a voltage source (12).

With respect to claim 22, in the absence of further positively recited structure, the device is considered as being capable of maintaining a seal as required of the instant claim language.

With respect to claim 23, the nonplanar element (20) is conical (See Figure 22).

Art Unit: 1744

With respect to claim 24, the device includes a cell chamber (See Figure 18 and column 13, line 55, to column 14, line 11) and a plurality of nonplanar elements (See Figure 17).

With respect to claim 25, fluid can enter the cell chamber through passage (38) in the substrate.

With respect to claim 26, a surface of the nonplanar element can be rendered hydrophilic. (See column 8, lines 21-29).

With respect to claims 27 and 28, the device includes a fluid controlling mechanism (micropump) (See column 16, lines 28-39).

With respect to claims 29 and 30, in the absence of further positively recited structure, the surface of the nonplanar element is considered to be structurally the same as that of a surface which has been chemically washed or exposed to chemical deposition.

With respect to claims 87-89, the nonplanar element (20) is a portion of wall (4) which is a portion of a cell chamber (See Figure 18).

With respect to claim 93, the reference of Baumann et al. discloses a substantially planar substrate (4) (See Figure 22) including a cell chamber (See Figure 18) in fluid communication with an electrode compartment (38) wherein the cell chamber is adapted to be in fluid communication with an external device (See column 16, lines 28-39) wherein one or more communications comprise microchannel (38).

With respect to claim 94, the reference of Baumann et al. discloses a substantially planar substrate (4) comprising a fluid reservoir (38) in fluid communication with a cell chamber (See Figure 18) including a protruding surface (20) defining an opening (16) communicating with an

Art Unit: 1744

electrode compartment (38) wherein the one or more communications comprise microchannel (38).

With respect to claim 95, the protruded surface includes a column shape (See Figure 22).

With respect to claim 97, the portion of the wall includes microchannel (38).

With respect to claim 98, the protruded surface defining an opening includes a microchannel (38).

With respect to claim 99, the reference of Baumann et al. discloses a substantially planar substrate (4) including a protruding surface (20) defining an opening (16) communicating with an electrode compartment (38) wherein the substrate is adapted to be in fluid communication with an external device (See column 16, lines 28-39).

With respect to claim 100, the device includes a conducting element (6 or 18).

With respect to claim 101, the conducting element can be movable relative to the fluid source (See column 15, lines 59-63).

10. Claims 1-3, 5, 9-19, 21-23, 25, 27-30, 87-89, 93-95 and 97-101 are rejected under 35 U.S.C. 102 (e) as being anticipated by Stett et al.(US 2003/0153067).

With respect to claim 1, the reference of Stett et al. discloses a substantially planar substrate (31) (See Figure 2) in communication with at least one conducting element (43), wherein the substantially planar substrate (31) comprises at least one nonplanar element (37) for establishing and/or maintaining electrical communication with a cell.

With respect to claim 2, the nonplanar element (37) includes a raised portion (See Figure 2) having an opening in which a conducting fluid is disposed.

Art Unit: 1744

With respect to claim 3, the conducting fluid is in electrical communication with a conducting element (43).

With respect to claim 5, the nonplanar element (37) comprises a nonconducting surface (38).

With respect to claims 9-12, the nonplanar element (37) can be exposed to a fluid flow from a fluid source (42).

With respect to claims 13 and 14, the surface of the nonplanar element is “nonplanar”, “protruding” and/or “rounded” (See Figure 2).

With respect to claims 15 and 16, the structure defining channel (37) is considered to meet the claim language of a capillary or micropipette.

With respect to claim 17, the nonplanar element (37) is considered to have a nonplanar surface (38) (See Figure 2).

With respect to claim 18, the surface (38) is protruding.

With respect to claim 19, the nonplanar element (37) is removable.

With respect to claim 21, the device includes a voltage source (28).

With respect to claim 22, in the absence of further positively recited structure, the device is considered as being capable of maintaining a seal as required of the instant claim language.

With respect to claim 23, the nonplanar element (37) is conical (See Figure 2).

With respect to claim 25, fluid can enter the cell chamber through passage (41 or 45) in the substrate.

With respect to claims 27 and 28, the device includes a fluid controlling mechanism (micropump) (42).

Art Unit: 1744

With respect to claims 29 and 30, in the absence of further positively recited structure, the surface of the nonplanar element is considered to be structurally the same as that of a surface which has been chemically washed or exposed to chemical deposition.

With respect to claims 87-89, the nonplanar element (37) is a portion of wall (31) which is a portion of a cell chamber (See Figure 2).

With respect to claim 93, the reference of Stett et al. discloses a substantially planar substrate (31) (See Figure 2) including a cell chamber (See Figure 2) in fluid communication with an electrode compartment (41) wherein the cell chamber is adapted to be in fluid communication with an external device (42) wherein one or more communications comprise microchannel (37).

With respect to claim 94, the reference of Stett et al. discloses a substantially planar substrate (31) comprising a fluid reservoir (42) in fluid communication with a cell chamber (See Figure 2) including a protruding surface (37) defining an opening (38) communicating with an electrode compartment (41) wherein the one or more communications comprise microchannel (41).

With respect to claim 95, the protruded surface includes a column shape (See Figure 2).

With respect to claim 97, the portion of the wall includes microchannel (41).

With respect to claim 98, the protruded surface defining an opening includes a microchannel (41).

With respect to claim 99, the reference of Stett et al. discloses a substantially planar substrate (31) including a protruding surface (37) defining an opening (38) communicating with

Art Unit: 1744

an electrode compartment (41) wherein the substrate is adapted to be in fluid communication with an external device (42).

With respect to claim 100, the device includes a conducting element (43).

With respect to claim 101, the conducting element can be movable relative to the fluid source (See Figures 4-6).

11. Claims 1-3, 5, 9-19, 21-23, 25, 27-30, 87-89, 93-95 and 97-101 are rejected under 35 U.S.C. 102(a) as being anticipated by Stett et al. (WO 02/03058).

With respect to claim 1, the reference of Stett et al. discloses a substantially planar substrate (31) (See Figure 2) in communication with at least one conducting element (43), wherein the substantially planar substrate (31) comprises at least one nonplanar element (37) for establishing and/or maintaining electrical communication with a cell.

With respect to claim 2, the nonplanar element (37) includes a raised portion (See Figure 2) having an opening in which a conducting fluid is disposed.

With respect to claim 3, the conducting fluid is in electrical communication with a conducting element (43).

With respect to claim 5, the nonplanar element (37) comprises a nonconducting surface (38).

With respect to claims 9-12, the nonplanar element (37) can be exposed to a fluid flow from a fluid source (42).

With respect to claims 13 and 14, the surface of the nonplanar element is “nonplanar”, “protruding” and/or “rounded” (See Figure 2).

Art Unit: 1744

With respect to claims 15 and 16, the structure defining channel (37) is considered to meet the claim language of a capillary or micropipette.

With respect to claim 17, the nonplanar element (37) is considered to have a nonplanar surface (38) (See Figure 2).

With respect to claim 18, the surface (38) is protruding.

With respect to claim 19, the nonplanar element (37) is removable.

With respect to claim 21, the device includes a voltage source (28).

With respect to claim 22, in the absence of further positively recited structure, the device is considered as being capable of maintaining a seal as required of the instant claim language.

With respect to claim 23, the nonplanar element (37) is conical (See Figure 2).

With respect to claim 25, fluid can enter the cell chamber through passage (41 or 45) in the substrate.

With respect to claims 27 and 28, the device includes a fluid controlling mechanism (micropump) (42).

With respect to claims 29 and 30, in the absence of further positively recited structure, the surface of the nonplanar element is considered to be structurally the same as that of a surface which has been chemically washed or exposed to chemical deposition.

With respect to claims 87-89, the nonplanar element (37) is a portion of wall (31) which is a portion of a cell chamber (See Figure 2).

With respect to claim 93, the reference of Stett et al. discloses a substantially planar substrate (31) (See Figure 2) including a cell chamber (See Figure 2) in fluid communication with an electrode compartment (41) wherein the cell chamber is adapted to be in fluid

Art Unit: 1744

communication with an external device (42) wherein one or more communications comprise microchannel (37).

With respect to claim 94, the reference of Stett et al. discloses a substantially planar substrate (31) comprising a fluid reservoir (42) in fluid communication with a cell chamber (See Figure 2) including a protruding surface (37) defining an opening (38) communicating with an electrode compartment (41) wherein the one or more communications comprise microchannel (41).

With respect to claim 95, the protruded surface includes a column shape (See Figure 2).

With respect to claim 97, the portion of the wall includes microchannel (41).

With respect to claim 98, the protruded surface defining an opening includes a microchannel (41).

With respect to claim 99, the reference of Stett et al. discloses a substantially planar substrate (31) including a protruding surface (37) defining an opening (38) communicating with an electrode compartment (41) wherein the substrate is adapted to be in fluid communication with an external device (42).

With respect to claim 100, the device includes a conducting element (43).

With respect to claim 101, the conducting element can be movable relative to the fluid source (See Figures 4-6).

Claim Rejections - 35 USC § 103

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 1744

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35

U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

14. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

15. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baumann et al.(US 6,368,851) or Stett et al. (US 2003/0153067 or WO 02/03058) in view of Klemic et al. (Biosensor and Bioelectronics).

The references of Baumann et al. and Stett et al. have been discussed above.

Art Unit: 1744

While both the references of Baumann et al. and Stett et al. disclose that the substrates can be made of glass or plastic, the references are silent with respect to the use of an elastomeric polymer.

The reference of Klemic et al. discloses that it is known in the art of patch clamp devices to manufacture structures from PDMS (elastomeric polymer) as an alternative to glass (See the abstract).

In view of this teaching, it would have been obvious to one of ordinary skill in the art at the time the invention was made to construct the substrate of the primary references out of PDMS for the known and expected results of providing an alternative means recognized in the art to achieve the same result, providing a substrate employed in a patch clamp device. PDMS would be preferred over glass in view of its low dielectric loss and ease of manufacture.

16. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baumann et al.(US 6,368,851) or Stett et al. (US 2003/0153067 or WO 02/03058) in view of Maher et al.(US 6,686,193).

The references of Baumann et al. and Stett et al. have been discussed above.

While both the references of Baumann et al. and Stett et al. disclose the use of electrodes or conducting elements, the references are silent with respect to the use of a carbon material.

The reference of Maher et al. discloses that it is known in the art to employ carbon based electrically conductive material in devices wherein cells are exposed to the conductive material (See column 15, lines 8-30).

Art Unit: 1744

In view of this teaching, it would have been obvious to one of ordinary skill in the art to manufacture the electrical conducting members or elements of the primary references with carbon materials for the known and expected result of providing an art recognized material that can be exposed to cells. Use of any of the materials, including carbon, as disclosed by the reference of Maher et al. would be preferred in view of their low cost and reduced toxicity to the cells in the device.

Double Patenting

17. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

18. Claims rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 31-37 and 62 of copending Application No. 10/688,794.

Although the conflicting claims are not identical, they are not patentably distinct from each other because.

Claims 1-30, 87-89, 93-95 and 97-101 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 31-37 and 62 of copending Application No. 10/688,794. An obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but an examined application claim not is patentably distinct from the reference claim(s) because the examined claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985). Although the conflicting claims are not identical, they are not patentably distinct from each other because Claims 1-30, 87-89, 93-95 and 97-101 are generic to all that is recited in claims 31-37 and 62 of copending Application No. 10/688,794. That is, claims 31-37 and 62 of copending Application No. 10/688,794 fall entirely within the scope of Claims 1-30, 87-89, 93-95 and 97-101 or, in other words, Claims 1-30, 87-89, 93-95 and 97-101 are anticipated by claims 31-37 and 62 of copending Application No. 10/688,794.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

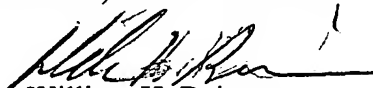
Conclusion

19. Any inquiry concerning this communication or earlier communications from the examiner should be directed to William H. Beisner whose telephone number is 571-272-1269. The examiner can normally be reached on Tues. to Fri. and alt. Mon. from 6:15am to 3:45pm.

Art Unit: 1744

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys J. Corcoran can be reached on 571-272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



William H. Beisner
Primary Examiner
Art Unit 1744

WHB